

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 09/11/2020 09:29 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125815	0	2.38	125890	2.39
Blue	F	SSC	125000	124957	-1	2.04	125724	2.03
Blue	E	FITC	15892	15434	-3	3.00	337	21.35
Blue	D	PE	29999	29315	-3	2.18	640	15.44
Blue	B	PerCP-Cy5-5	43732	43165	-2	3.83	1155	21.03
Blue	A	PE-Cy7	30845	30740	-1	6.44	586	42.16
Red	C	APC	46112	45489	-2	2.53	1604	11.89
Red	A	APC-Cy7	30458	29701	-3	2.49	783	11.95
Violet	B	V450	7918	7640	-4	4.12	438	13.03
Violet	A	V500	32171	31187	-4	3.98	733	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16934	12.02	653	32	N/A	N/A	Pass
Blue	F	SSC	57410	1.59	580	21	N/A	N/A	Pass
Blue	E	FITC	61	67.39	552	9	0.0172	125	Pass
Blue	D	PE	134	50.44	558	10	0.1389	228	Pass
Blue	B	PerCP-Cy5-5	215	51.65	665	9	0.0086	72	Pass
Blue	A	PE-Cy7	109	106.97	711	13	0.0104	26	Pass
Red	C	APC	387	25.08	588	4	0.0263	214	Pass
Red	A	APC-Cy7	174	27.86	558	2	0.0055	644	Pass
Violet	B	V450	67	59.30	458	0	0.0520	2215	Pass
Violet	A	V500	110	34.97	474	0	0.0250	1176	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.52	47.98 - 71.98	N/A	N/A	-33.55	-32.99	1.04
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.39
Red	16.86	13.60 - 20.40	N/A	N/A	30.13	30.73	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9838

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments